

(FILE 'HOME' ENTERED AT 17:00:03 ON 22 FEB 2003)

FILE 'BIOSIS, MEDLINE, INPADOC, CAPLUS' ENTERED AT 17:01:13 ON 22 FEB 2003

L1 175 DCOH

L2 84 DUPLICATE REMOVE L1 (91 DUPLICATES REMOVED)

=>

L2 ANSWER 65 OF 84 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
40
AN 1995:261703 BIOSIS
DN PREV199598276003
TI Crystal Structure of DCoH, a Bifunctional, Protein-Binding
Transcriptional Coactivator.
AU Endrizzi, James A. (1); Cronk, Jeff D. (1); Wang, Weidong; Crabtree,
Gerald R.; Alber, Tom (1)
CS (1) Dep. Mol. Cell Biol., Univ. California, Berkeley, CA 94720-3206 USA
SO Science (Washington D C), (1995) Vol. 268, No. 5210, pp. 556-559.
ISSN: 0036-8075.
DT Article
LA English
AB DCoH, the dimerization cofactor of hepatocyte nuclear factor-1,
stimulates gene expression by associating with specific DNA binding
proteins and also catalyzes the dehydration of the biopterin cofactor of
phenylalanine hydroxylase. The x-ray crystal structure determined at 3
angstrom resolution reveals that DCoH forms a tetramer
containing two saddle-shaped grooves that comprise likely macromolecule
binding sites. Two equivalent enzyme active sites flank each saddle,
suggesting that there is a spatial connection between the catalytic and
binding activities. Structural similarities between the DCoH
fold and nucleic acid-binding proteins argue that the saddle motif has
evolved to bind diverse ligands or that DCoH unexpectedly may
bind nucleic acids.

L2 ANSWER 45 OF 84 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1998:291995 BIOSIS
DN PREV199800291995
TI 4a-Carbinolamine dehydratase (D_{Co}H) controls the supply of
L-tyrosine as well as the transcription of the tyrosinase gene in human
melanocytes.
AU Wood, J. M. (1); Hibberts, N. A. (1); Wei, Y. W. (1); Stier, G.; Ficner,
R.; Ashraf, W. (1); Lindsey, N. J. (1); Schallreuter, K. U. (1)
CS (1) Clinical and Experimental Dermatol., Dep. Biomed. Sci., Univ.
Bradford, Bradford UK
SO Journal of Dermatological Science, (March, 1998) Vol. 16, No. SUPPL. 1,
pp. S6.
Meeting Info.: Third Joint Meeting of the European Society for
Dermatological Research, Japanese Society for Investigative Dermatology,
Society for Investigative Dermatology Cologne, Germany May 7-10, 1998
European Society for Dermatological Research
. ISSN: 0923-1811.
DT Conference
LA English